tyler
clt division

CM038b - IF403NJ – PAMS to CAMA Vendors Interface

1 Introduction / Background

Some municipalities will continue to use outside vendors for their CAMA system. Assessors will be responsible for maintaining parcel (line item) inventory and descriptive information in PAMS.   Subdivisions, consolidations and creation / deactivation of line items (QFARM, X, etc) will be processed in PAMS. The inventory information needs to be imported into the vendors' CAMA systems to ensure that they have the same inventory as PAMS. This BRD will describe the interface for this process.

1.1   Document Cross References

CM038b - Provide the ability to export data from PAMS to local CAMA systems.

1.2   Terminology

N/A

1.3   Process Description

A process will be written for PAMS that will create an extract file containing the fields that need to be imported into the outside vendors' CAMA systems. The format of that file is detailed in this BRD. The file from PAMS must then be transferred out of the secure tier in the PAMS Garden State Network environment where the vendors will have access to it. The files can be transferred using a product such as Tumbleweed or an FTP protocol initiated directly from the New Jersey portal. The transfer procedures will be determined by the State. The program that will create the data file (IF403NJ) can be scheduled to run at any interval automatically or manually run whenever necessary.

All CAMA vendors will be required to create the Parcel Key field on their systems. This is an 8 character field with a system generated number in it (leading zeros) that will never change even if the municipality remaps and changes Block/Lot/Qualifier for the line item. The unique key for a line item will be the county/municipality number (Jur) and the Parcel Key.

There will be three record types possible:

- "G" – General Parcel Data – 1 record per line item

- "S" – Sales Data – multiple possible records if there is more than one sale in the SR1-A table.

- "D" – Limited exemptions, deductions, abatements – multiple records per line item if there is more than 1.

The file has a field named "Line Item Status Code" that will have one of the following codes:

- "NS" = new line item (Parcel Key) as a result of Subdivision

- "NC" = new line item (Parcel Key) as a result of Consolidation

- "DS" = deactivated line item as a result of Subdivision

- "DC" = deactivated line item as a result of Consolidation

- "UP" = update data only

2 Functional Requirements

2.1 Security and Versioning Considerations

Permission to run the IF403NJ program will be determined by role.

No columns in the PAMS database will be updated by this process.

2.2 Parameters/Selection Criteria

Frequency

How often?	Batch, by request	Batch, scheduled	On demand
Daily			
Weekly			
Monthly			
Quarterly			
Annually			
As needed	X	X	
Other (describe)			
Can be run as needed or scheduled to run on a regular basis.			

Selection Options

Selection Data	Description	Default	Set as On-line Parameter (Yes/No)	Required (Yes/No)
Jur	Municipality code	Global jur	Yes	Yes

Report Sort Options

Sort Data	Description	Default	Set as Parameter (Yes/No)	Required (Yes/No)
Sort Key	Sort Key (blk/lot/qual)	Yes	No	No

Processing Options

Option	Description	Default	Set as Parameter (Yes/No)	Required (Yes/No)
N/A				

Break and Total Options

Break Level	Description	Break	Page Break	Totals
Jurisdiction	County/municipality code	Yes	Yes	Counts of records extracted

Layout and Print Options

Page Size		Orientation		Margins		Printer Type	
8 ½ x 11	X	Portrait	X	Top	3/8"	Laser Printer	X
8 ½ x 14		Landscape		Bottom	3/8"	Line Printer	
Other				Left	3/8"	Mainframe	
{ specify size}				Right	3/8"		

Letterhead		Header		Footer		Pre-defined Layout	
Yes		Yes	Y	Yes		Yes	
No	X	No		No	X	No	X

Report Output Type		Labels		Extract file			
.lis		Yes		Yes	X	Fixed length	Y
.pdf	X	No		No			
Other (specify)		Optional (set parameter)		Optional (set parameter)			

Output Requirements (check one or more):

X Output must be viewable on-line (PDF)

☐ Output must be printable (Formatted)

X Output must be written to a file (Data only, fixed length)

- delivery to 3rd-party vendor or

- download to Excel

☐ Output must include Mailing Labels

☐ printable (Formatted)

☐ written to a file (Data only, fixed length) for

- delivery to 3rd-party vendor or

Additional or Other Requirements:

Signatures Required? No

If Yes, how many, Titles:

Certified Form, Notice or Report? No

Retention Period: None

Statute: None

2.3 Sources of Information

The data in the interface will be extracted from PAMS. The table below lists the data that will be extracted by this interface and also specifies the format of the fields. The unique key is the Jur (county/muni number) and the Parcel Key.

The formatting used by PAMS for the Sortkey and Owner Mailing Addresses are as follows:

Owner Mailing Address:

The billing address is formatted based on one of several codes listed below. The column labeled "Addrtype" will contain a code that indicates what format the address is in. In PAMS, each address type will only allow information to be entered into the specified fields listed below. The table in this section also has a column describing which fields need to be filled in for each type of address.

- **S – US Standard**: Address prefix, number, number suffix, direction, street, street suffix, street suffix 2, unit description, unit number, address 2, city name, state code, Zip1, Zip2

- **N – US National:** address 1, address 2, city name, state code, Zip1, Zip2

- **C – Canadian:** Address prefix, number, number suffix, direction, street, street suffix, street suffix 2, unit description, unit number, address 2, city name, state code, postal code

- **R – International:** address 1, address 2, address 3, postal code, country

- **F – Free Format:** address 1, address 2, address 3

In addition, an Owner Mailing Address format has been provided that is a three line mailing address that is created based on the format type above.

Block/Lot/Qualifier:

The Sortkey is an expanded version of the Block/Lot/Qualifier. The rules for reformatting are:

Block/Block Suffix:

Leading zeroes are added to the Block to a length of five. If there is a block suffix, the program adds leading spaces to a length of four. If the block suffix is two numeric characters, and the first character is 0, the 0 must be entered. Only the spaces are assumed.

Lot/Lot Suffix:

Leading zeroes are added to the Lot to a length of five. If there is a lot suffix, the program adds leading spaces to a length of four. If the lot suffix is two numeric characters, and the first character is 0, the 0 must be entered. Only the spaces are assumed.

Qualifier:

The ward (Wnn), sector (Snn), billboard (Bnn) or cell tower (Tnn) will go in the first three characters, the QFARM (Qnnnn), condos (Cnnnn), mobile homes (Mnnnn), bldg (BLDG), and lot (LOT) entries will go in the next five characters, the exempt (X), wetlands (L) and coastal zone (Z) will go in the ninth character, and the flood plain (FP), pine land (PL), Hackensack Meadowland (HM), highlands (HL) etc. designations will go in the 10th and 11th characters.

Record Type "G" – General Parcel Data:

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data	Address Types
Record Type	C	1	1	1		"G" - general parcel data	
LEGDAT.Jur	C	2	5	4		County and District Number	
LEGDAT.Parid	C	6	13	8		Parcel Key from PAMS	
LEGDAT.Taxyr	N	14	17	4		Tax Year of Data	
LEGDAT.Block	C	18	27	10		Block and block suffix	
LEGDAT.Lot	C	28	37	10		Lot and lot suffix	
LEGDAT.Qualifier	C	38	48	11		Qualifier	
LEGDAT.User1	C	49	68	20		Additional Lots 1	
LINE ITEM STATUS CODE	C	69	70	2	"NS" = new line item as a result of Subdivision "NC" = new line item as a result of Consolidation "DS" = deactivated line item as a result of Subdivision "DC" = deactivated line item as a result of Consolidation "UP" = update data only	Line item status code for this Parcel Key set by interface program	
SPLCOM.Oldid	C	71	78	8		Parent Parcel Key from PAMS if Subdivision ("NS" status code) where current Parcel Key = SPLCOM.Newid	

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data	Address Types
SPLCOM.Newid	C	79	86	8		New Parcel Key if this line item was deactivated as a result of a Consolidation ("DC" status code) where current Parcel Key = SPLCOM.Newid	
OWNDATMAX.Own1	C	87	126	40		Line 1 of Owner Name	
OWNDATMAX.Own2	C	127	166	40		Line 2 of Owner Name	
OWNDATMAX.Addrtype	C	167	167	1	R=International, S=US Standard, C=Canadian, N=US National, F=Free Format	OWNER MAILING Address Type - required if this address is to be loaded to PAMS	R, S, C, N, F
OWNDATMAX.Addr1	C	168	247	80		OWNER MAILING Free Format Address Info Line 1	R, N, F
OWNDATMAX.Addr2	C	248	327	80		OWNER MAILING Free Format Address Info Line 2	R, S, C, N, F
OWNDATMAX.Addr3	C	328	407	80		OWNER MAILING Free Format Address Info Line 3	R, F
OWNDATMAX.Country	C	408	437	30		OWNER MAILING Address Country Name	R
OWNDATMAX.Adrno	N	438	447	10		OWNER MAILING Address Number	S, C
OWNDATMAX.Adradd	C	448	453	6		OWNER MAILING Additional Address Number	S, C
OWNDATMAX.Adrdir	C	454	455	2	N, S, E, W, NE, SE, NW, SW	OWNER MAILING Address Direction	S, C
OWNDATMAX.Adrstr	C	456	485	30		OWNER MAILING Address Street Name	S, C

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data	Address Types
OWNDATMAX.Adrsuf	C	486	493	8	ALY, ANX, AVE, BLVD, CIR, CT, CTR, CTS, DR, EST, EXPY, EXT, GRV, HTS, HWY, IS, LDG, LK, LN, MT, OVAL, PARK, PIKE, PKY, PL, PLZ, RD, RIV, SQ, ST, STA, TER, TPKE, TRCE, TRL, VIA, VLG, WAY	OWNER MAILING Address Suffix	S, C
OWNDATMAX.Adrsuf2	C	494	501	8	N, S, E, W, NE, SE, NW, SW	OWNER MAILING Address Second Suffix	S, C
OWNDATMAX.Cityname	C	502	541	40		OWNER MAILING City Name	S, C, N
OWNDATMAX.Statecode	C	542	543	2		OWNER MAILING State Code	S, C, N
OWNDATMAX.Postalcode	C	544	553	10		OWNER MAILING Postal Code (International Zip Code)	R, C
OWNDATMAX.Unitdesc	C	554	563	10	APT, CNDO, UNIT,	OWNER MAILING Unit Type Identifier	S, C
OWNDATMAX.Unitno	C	564	573	10		OWNER MAILING Unit Number	S, C
OWNDATMAX.Zip1	C	574	578	5		OWNER MAILING US Postal Zip Code - 5 digit	S, N
OWNDATMAX.Zip2	C	579	582	4		OWNER MAILING US Postal Zip Code - 4 digit	S, N
OWNMLTMAX	N	583	586	4	count of OWNMLTMAX records + 1	Number of Owners	
OWNDATMAX.Paddr1	C	587	636	50	truncated to 50 characters	Line 1 of formatted Owner Mailing address	

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data	Address Types
OWNDATMAX.Paddr2	C	637	686	50	truncated to 50 characters	Line 2 of formatted Owner Mailing address	
OWNDATMAX.Paddr3	C	687	736	50	truncated to 50 characters	Line 3 of formatted Owner Mailing address	
PARDAT.Class	C	737	740	4		Property Class	
PARDAT.LUC	C	741	744	4		Class 4 Use	
PARDAT.Nhbd	C	745	752	8		Neighborhood (VCS)	
PARDAT.User8	C	753	772	20		Building Description	
LEGDAT.Lotdim	C	773	812	40		Land description	
PARDAT.Mappre	C	813	818	6		Tax Map Page	
LEGDAT.Acres	N	819	830	12	12,4 decimals	Deeded acres	
PARDAT.Zoning	C	831	838	8		Zoning	
PARDAT.Util2	C	839	840	2	SW=Sewer SP=Septic	Sewer/Septic flag	
PARDAT.User01, User02, User03	C	841	847	7		EPL Code (EPL Owner, EPL Use, EPL Description)	
PARDAT.User4	C	848	855	8	MMDDYYYY	Initial Filing Date	
PARDAT.User5	C	856	863	8	MMDDYYYY	Further Filing Date	
PARDAT.User6	C	864	883	20		Exempt Statute Number	
PARDAT.User7	C	884	903	20		Exempt Facility Name	
PARDAT.Partial	C	904	904	1	P=Partial assessment	Partial Assessment	
ASMT.Valapr1	N	905	914	10		Land Value	
ASMT.Valapr2	N	915	924	10		Improvement Value	
ASMT.Valasm1	N	925	934	10		Net Taxable Value	
ASMT.Flag4	C	935	936	2		Low/Moderate Income Housing flag	
LEGDAT.Compct	N	937	941	5	5,2 decimals	Common Element Percentage	
LEGDAT.User4	C	942	961	20		Improvement Name	
LEGDAT.User5	C	962	981	20		Model Name	
PARDAT.User14	C	982	983	2		Site Description	
LEGDAT.User15	C	984	988	5	5,2 decimals	Percent commercial use	

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data	Address Types
PARDAT.User19		989	989	1	Y= Send survey, N=Don't send survey	Income & Expense Flag	
OWNDAT.Owntype1	C	990	992	3		Ownership type	
SYSDATE	C	993	1000	8		File extract date	

Record type "S" – Sales Data:

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data
Record Type	C	1	2	2		"S" - sales record
Record Number	N	3	4	2		Sales record number
LEGDAT.Jur	C	5	8	4		County and District Number
LEGDAT.Parid	C	9	16	8		Parcel Key from PAMS
LEGDAT.Taxyr	N	17	20	4		Tax Year of Data
LEGDAT.Block	C	21	30	10		Block and block suffix
LEGDAT.Lot	C	31	40	10		Lot and lot suffix
LEGDAT.Qualifier	C	41	51	11		Qualifier
RETRANS.Sale_Date	C	52	59	8	MMDDYYYY	Sale Date
RETRANS.Saleprice	N	60	69	10		Sale Price
RETRANS.Deedbook	C	70	77	8		Deed Book
RETRANS.Deedpage	C	78	85	8		Deed Page
RETRANS.Nopar	N	86	89	4		Number of parcels included in the sale
RETRANS.Saleval	C	90	91	2		Sale validity code

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data
RETRANS_ID.Valasm1+ Valasm2	N	92	101	10		Assessment at time of sale. Sum of RETRANS_ID.Valasm1+Valasm2 for all records with same recordno as RETRANS.Recordno
RETRANS.Recordno	N	102	108	7		Record number of sale

Record type "D" – Limited exemptions, deductions, abatements:

PAMS Table/Column	Data Type	Starting Position	Ending Position	Column Size	Translation Reference	Description of Data
Record Type	C	1	1	1		"D" - Deductions/LimEX/Abt
Record Number	N	1	2	2		Deducts/LimEX/Abt record number
LEGDAT.Jur	C	2	5	4		County and District Number
LEGDAT.Parid	C	6	13	8		Parcel Key from PAMS
LEGDAT.Taxyr	N	14	17	4		Tax Year of Data
LEGDAT.Block	C	18	27	10		Block and block suffix
LEGDAT.Lot	C	28	37	10		Lot and lot suffix
LEGDAT.Qualifier	C	38	48	11		Qualifier
EXDET.Excode	C	49	54	6		Exemption code
EXDET.APBldg + EXOther	N	55	66	12	12,2 decimals	Amount of LimEX/Abt/Deduction, sum of EXDET.APbldg+Exother
EXDET.Units	N	67	70	4		Number of deductions

2.4 Database Requirements

A temporary table (TEMP_IF403NJ) will be used by the program that will have the same layout as the extract file.

Database Access

Table / Index / View	Type	Access Type	Comments
LEGDAT	Table	Read Only	Legal data table
OWNDATMAX	View	Read Only	Owner data view for most current owner information
PARDAT	Table	Read Only	Parcel data
RETRANS	Table	Read Only	SR1-A data
RETRANS_ID	Table	Read Only	SR1-A parcel data
SPLCOM	Table	Read Only	Subdivision/Consolidation Information

2.5 Offline Processing Requirements

Not applicable.

2.6 Outputs Generated

There will be a summary page of record counts extracted to the interface file by JUR. The extract file may be imported into Excel or viewed through Notepad or Wordpad.

```
PAMS Report: IF403NJ                    PAMS to CAMA Vendor Interface Output Report              Page 1 of 9,999

Date:  MM/DD/YY                                         Municipality of Sample

Time:  HH:MM:SS                                         Tax Year YYYY


Report Parameters:

None


Total Number of Line Items Extracted:      999,999

Number of new line items:                  999,999

Number of deactivated line items:          999,999

Number of Sale (S) records:                999,999

Number of LimEx/Abt/Deduct (D)records:     999,999
```

3 Future Requirements

Not applicable.

4 Relationship to Other Processes

Not applicable.

5 Implementation Notes

The IF403NJ process needs to be defined in the reports tables.

6 Documentation Requirements

A run guide will be created for this process.

7 Impact on Existing Implementations

Not applicable.

8 Use Case Scenarios

Case 1: Run the IF403NJ process to create the data file for the CAMA vendors and generate the output report. Load the data file to Excel and check the accuracy of the data.

9 Q & A

Q1. Will each municipality create its own file or will the state periodically run the program for a specific vendor using an IDLIST?

A1. Each muni.

Q2. Should new owner name/address come from OWNDATMAX or RETRANS? Depending on the timing of the extract, there could have been a change in the owner mailing address after the SR1-A process updated it.

A2. OWNDATMAX

Q3. At what point in the SR1-A process should the sales data be extracted for the interface? Only from the Assessors info after the B/L/Q is added?

A3. Yes

Approvals

Signature	Title	Approval Date

Revision History

Date	Author	Description
03/01/07	Nancy Peckinpaugh	Document creation
04/20/07	Nancy Peckinpaugh	Added more data to the download file.
07/25/07	Nancy Peckinpaugh	Added data to download file from list that Mark G gave me.
08/17/07	Nancy Peckinpaugh	Modified per Mark G
10/25/07	Nancy Peckinpaugh	Modified per Mark G, added system date (extract date)